

The first part of the book is devoted to the study of the
 asymptotic behavior of the solutions of the system of
 equations (1.1) as  $\epsilon \rightarrow 0$ . In this part, the author
 uses the method of matched asymptotic expansions. The
 second part of the book is devoted to the study of the
 asymptotic behavior of the solutions of the system of
 equations (1.2) as  $\epsilon \rightarrow 0$ . In this part, the author
 uses the method of matched asymptotic expansions.

The invention relates to a computer farm, comprising a bus (7) on which is simulated a local area network between several processor cards (3a-3h) mounted on the bus. Each card comprises a test function (11) which implements, upon execution thereof, at least part of the functionalities required for simulating the local area network on the card and a module for executing the test function, whilst the farm comprises a test means which periodically executes the same calculation as the same test function and compares its result with the result provided by the card.

Figure 2